

4.8-kDa and 10-kDa mPEGs Bind 100X More Tightly to Anti-mPEG Antibodies than PEG Lacking Methoxyl Groups

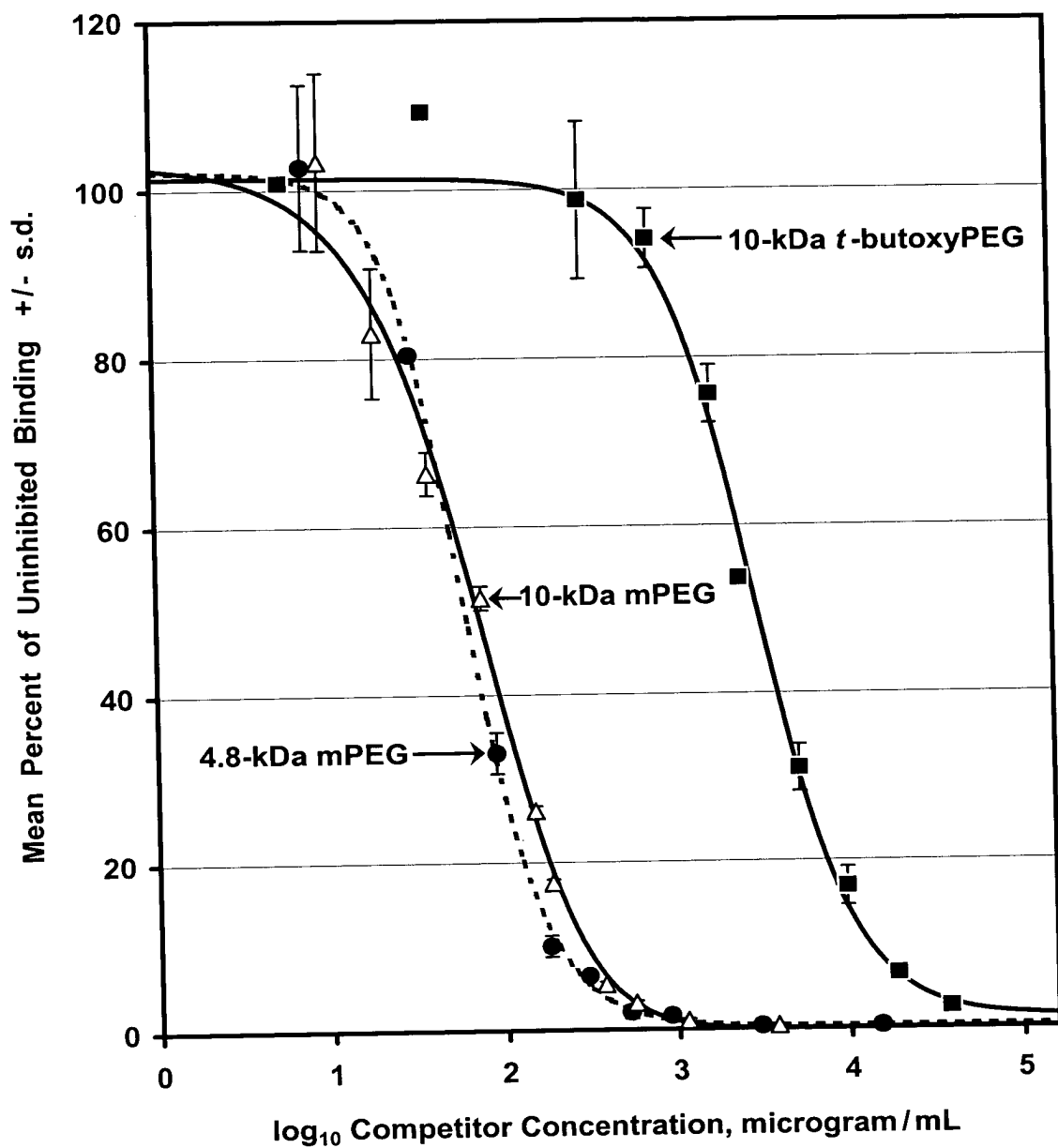


Figure 1

**Competitive Binding to Anti-mPEG Antibodies by Linear PEGs or
"Branched PEGs" (mPEG-lysines) with 1 or 2 Methoxyl Groups**

(Graphed vs. Molarity of Methoxyl Groups)

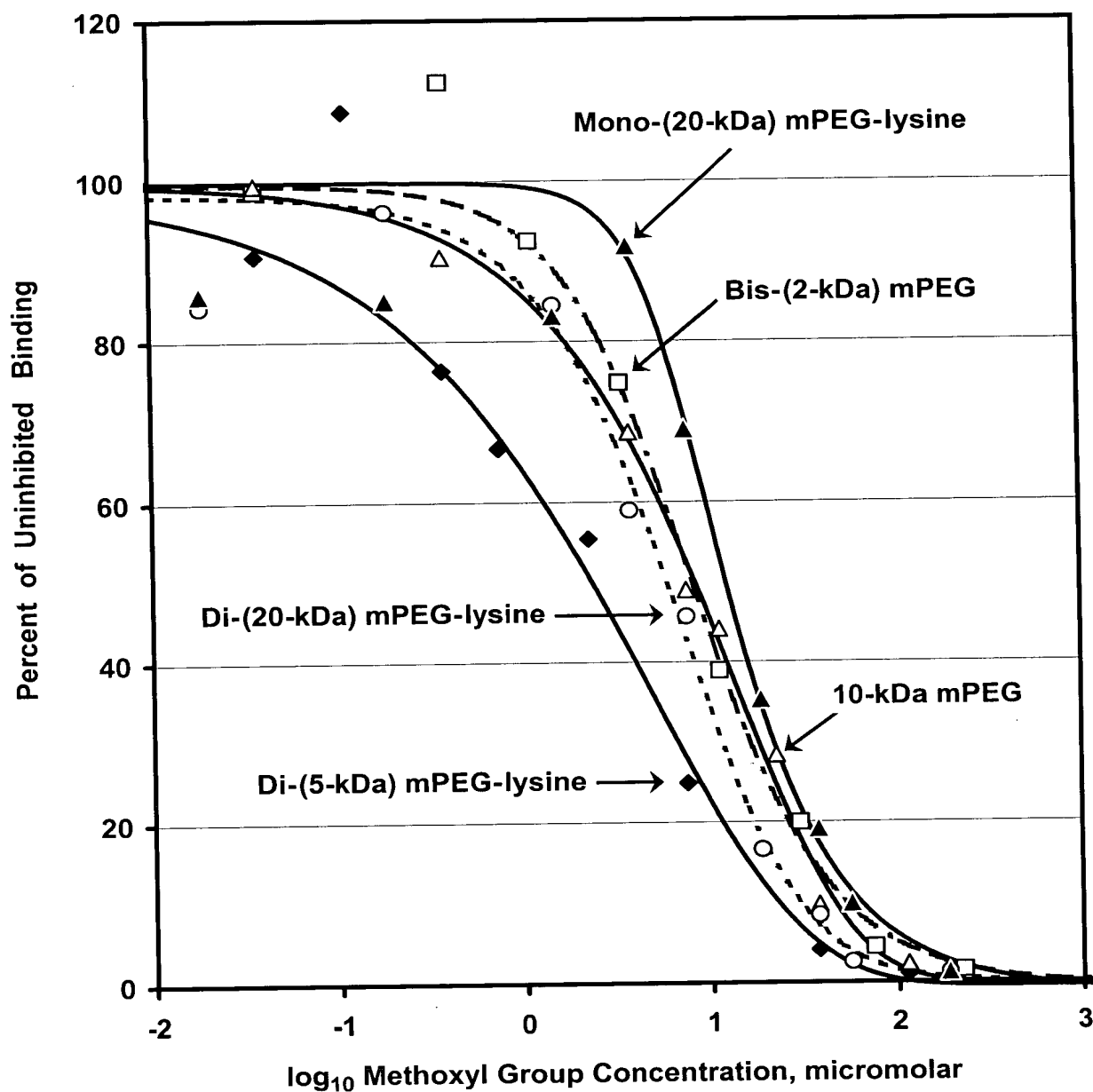


Figure 2a

**Competitive Binding to Anti-mPEG Antibodies by Linear PEGs
or "Branched PEGs" Containing 1 or 2 Methoxyl Groups**

(Graphed vs. Weight Concentration of PEG)

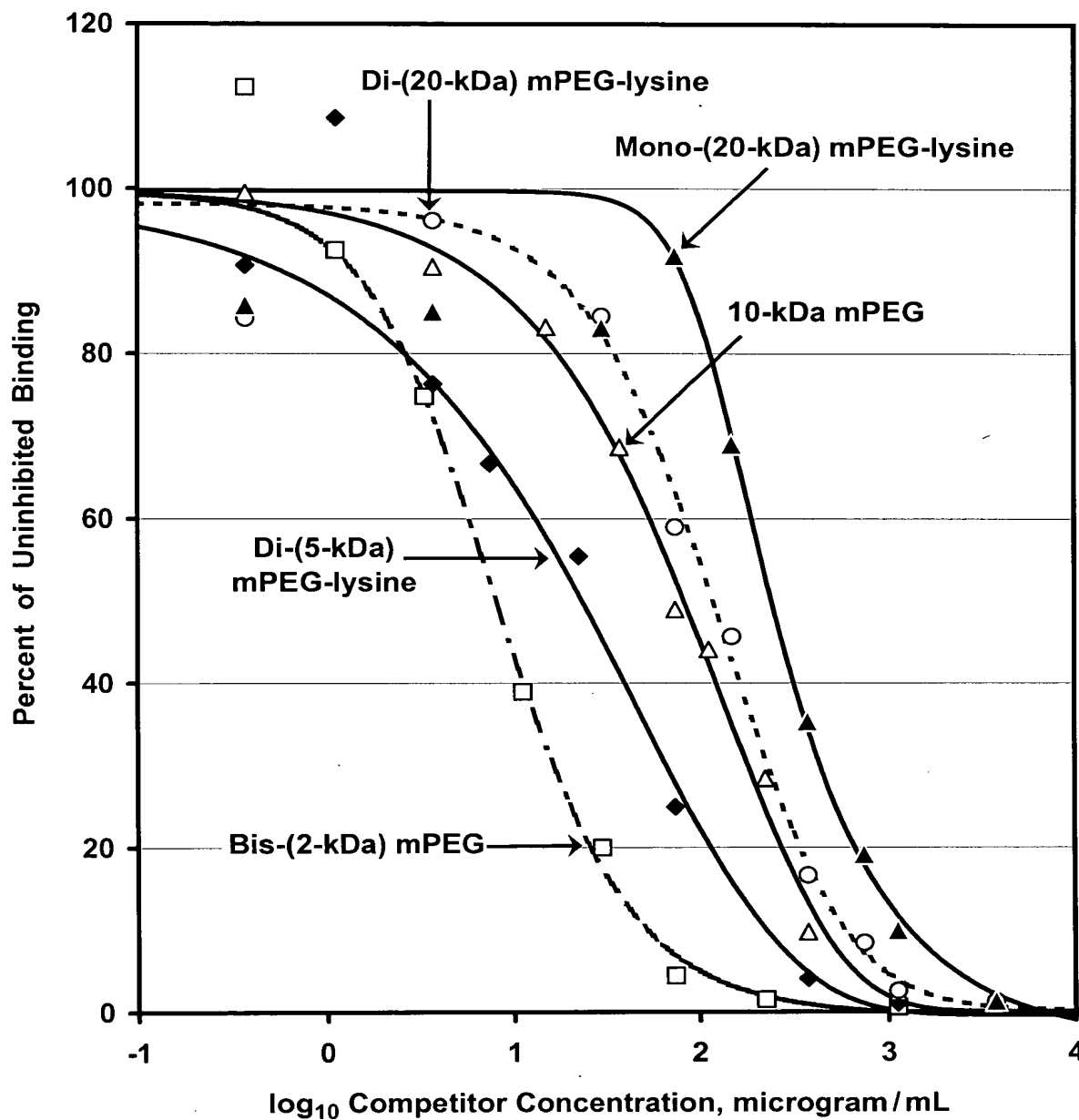


Figure 2b

Differences in Affinities for Anti-mPEG Antibodies among 10-kDa PEGs Containing 0, 1 or 2 Methoxyl Groups

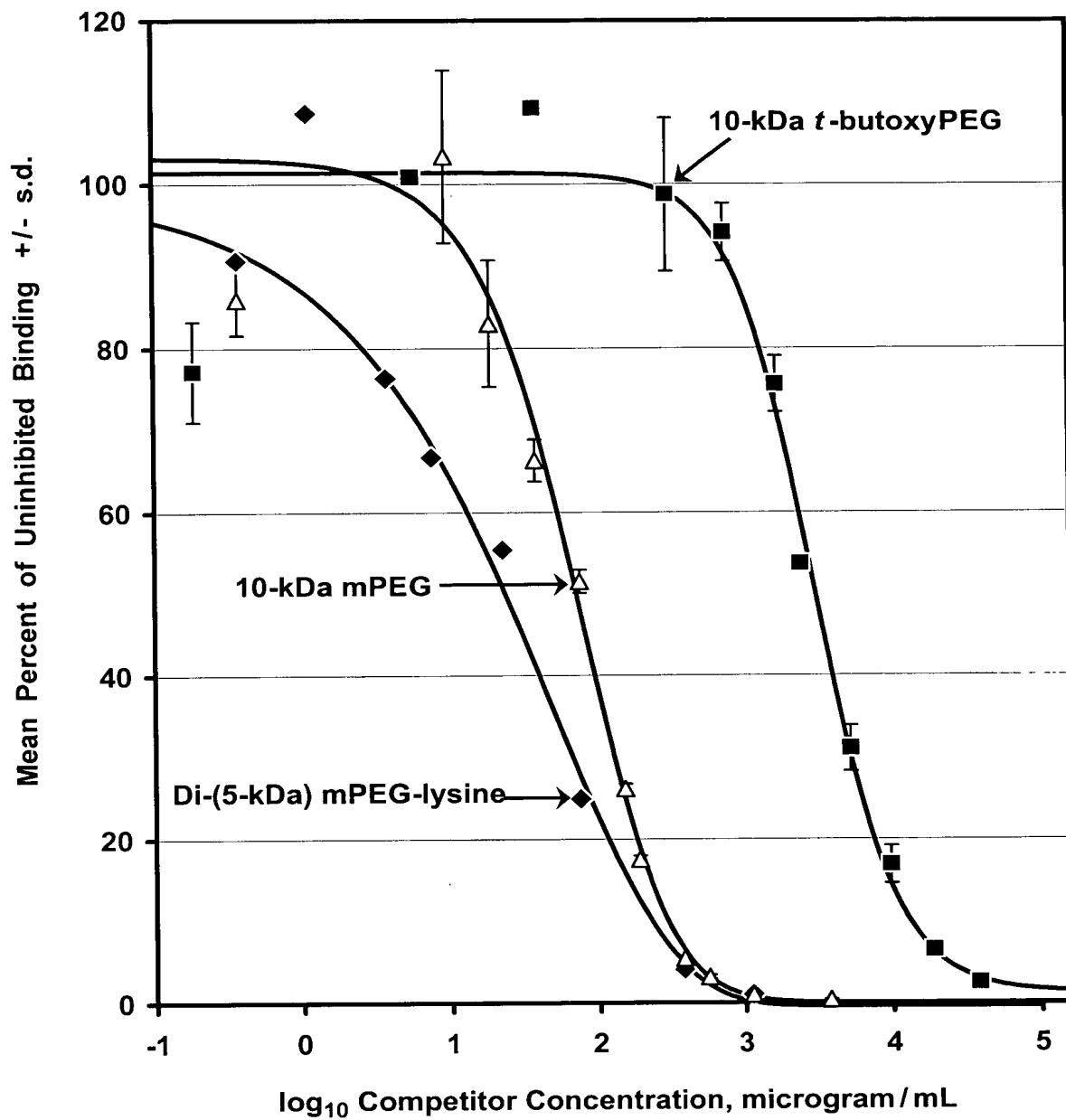


Figure 3

**mPEG Binds 100X More Tightly to Anti-mPEG Antibodies
than HydroxyPEGs (PharmaPEGs) that Lack Alkoxy Groups**

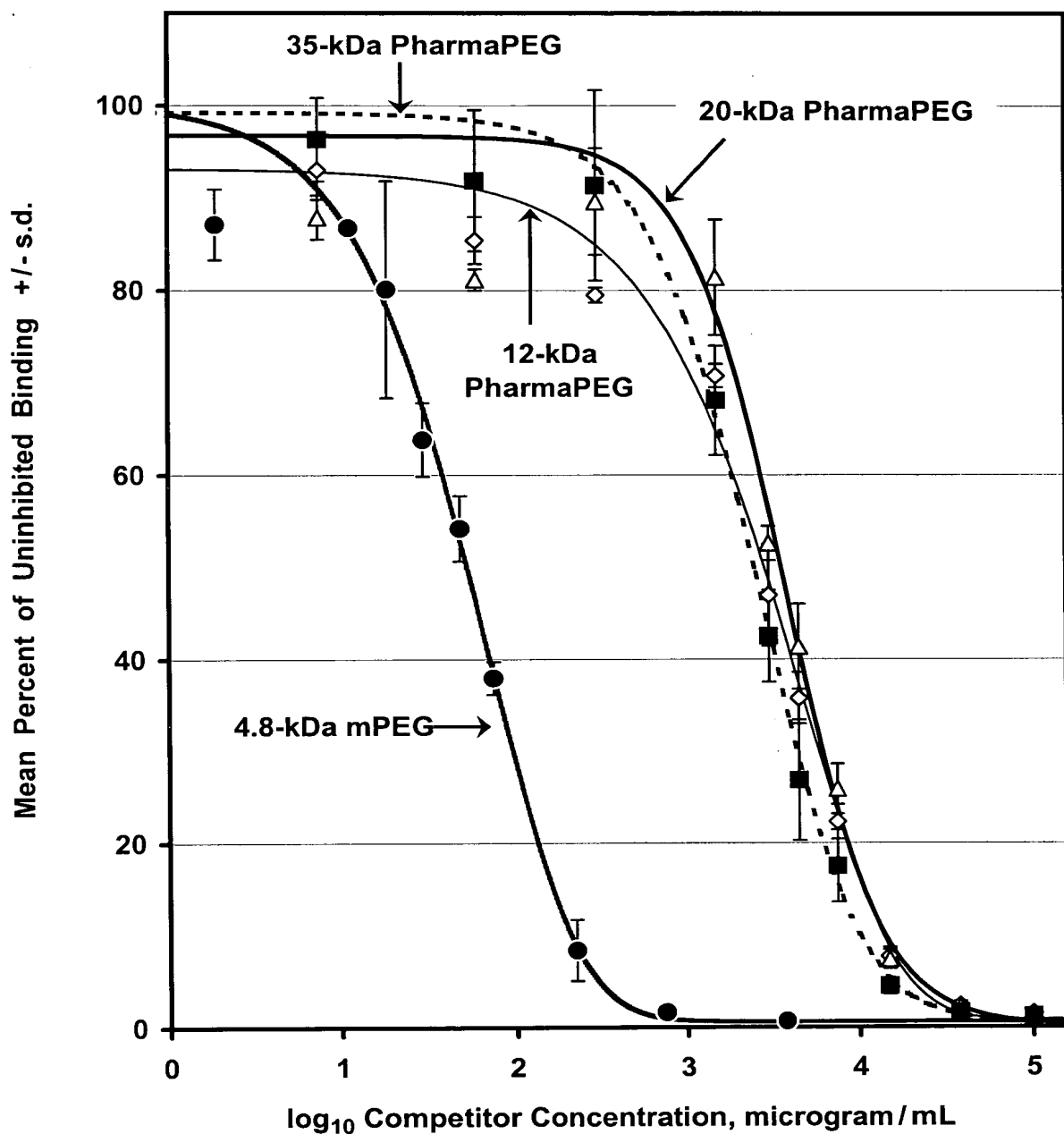
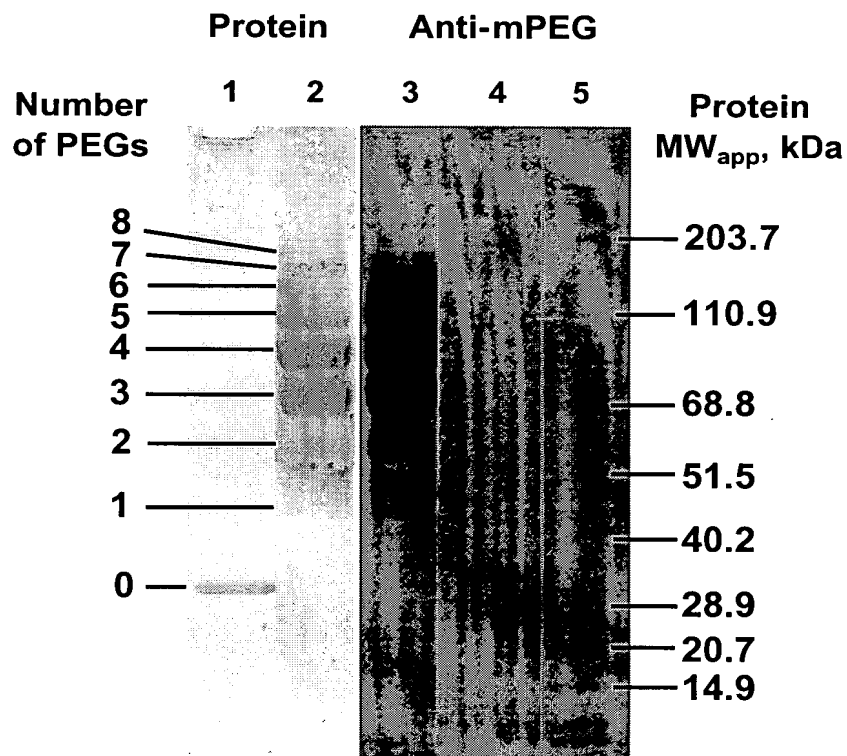


Figure 4

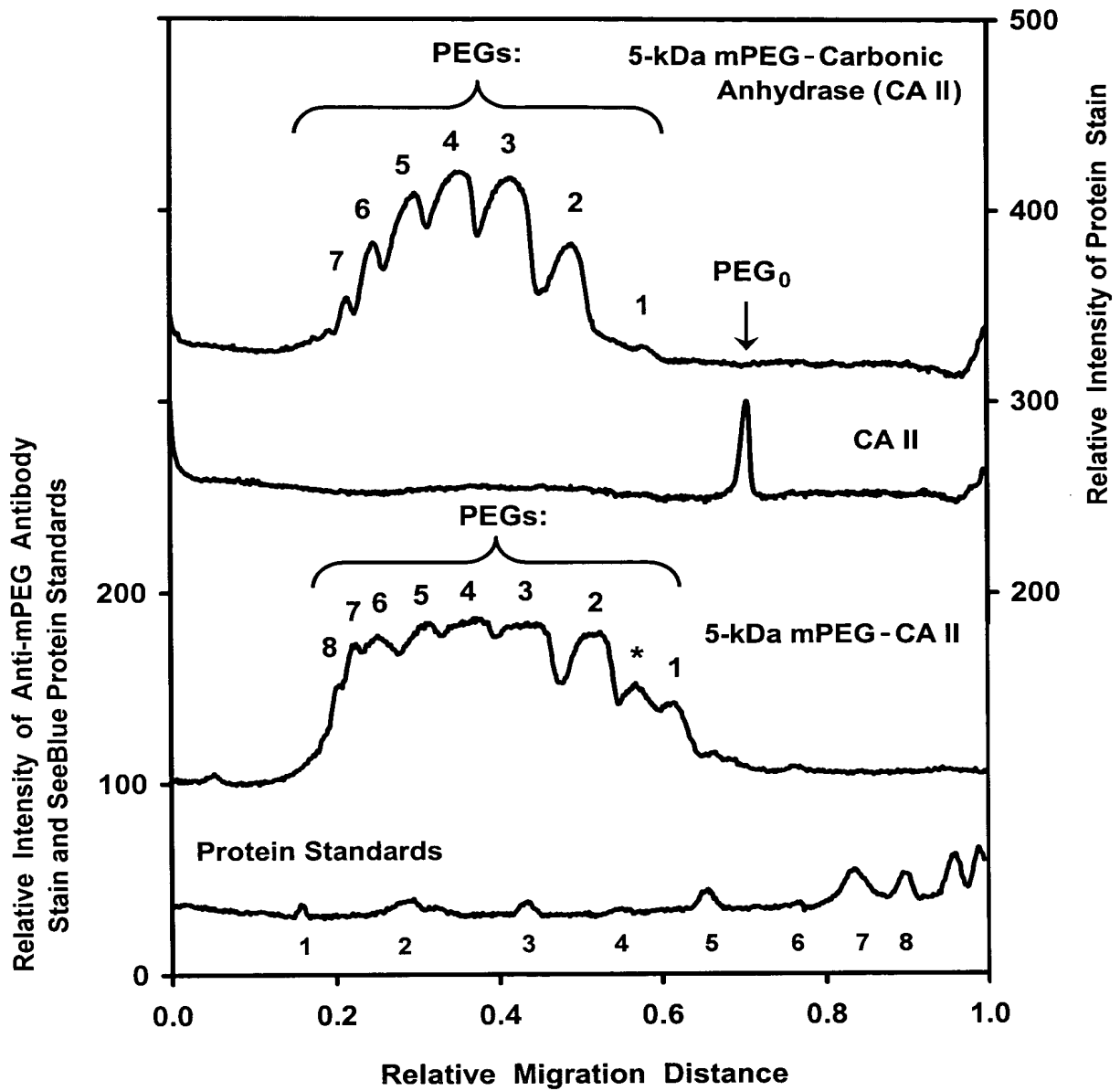
Detection of mPEG-protein Conjugates on a "Western Blot" with Anti-mPEG Antibodies



Lane 1: Carbonic Anhydrase II ("CA II")
 Lane 2: 5-kDa mPEG conjugates of CA II
 Lane 3: 5-kDa mPEG conjugates of CA II
 Lane 4: Carbonic Anhydrase II
 Lane 5: SeeBlue Plus 2™ Standard Proteins

Figure 5a

Relative Intensities of Stained Bands in an Electrophoretic Gel and on a "Western Blot" with Anti-mPEG Antibodies



*PEGylated fragment of CA II

Figure 5b

Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits Immunized with mPEG-uricase or PharmaPEG-uricase

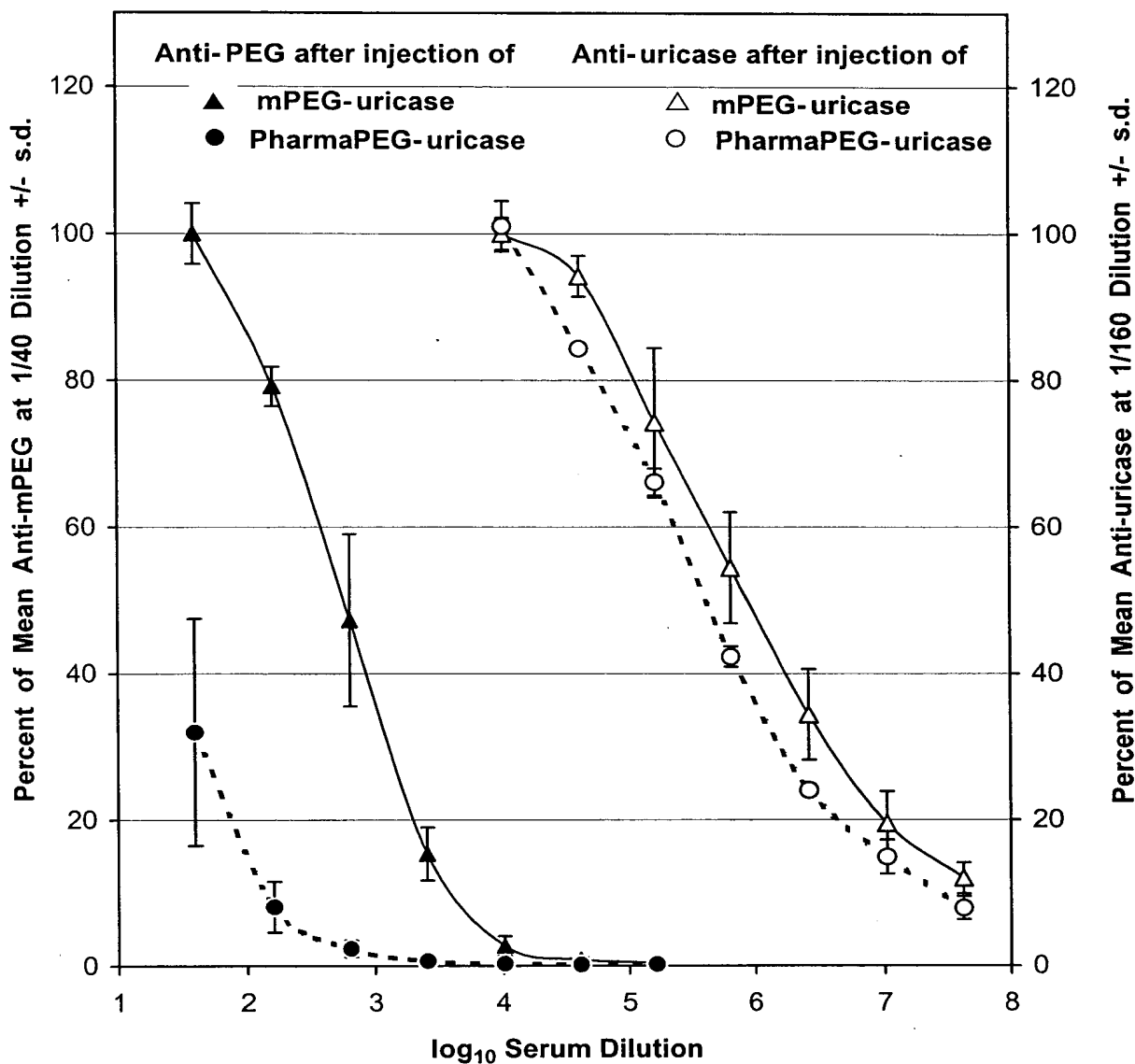


Figure 6a

Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits Immunized with mPEG-uricase or PharmaPEG-uricase

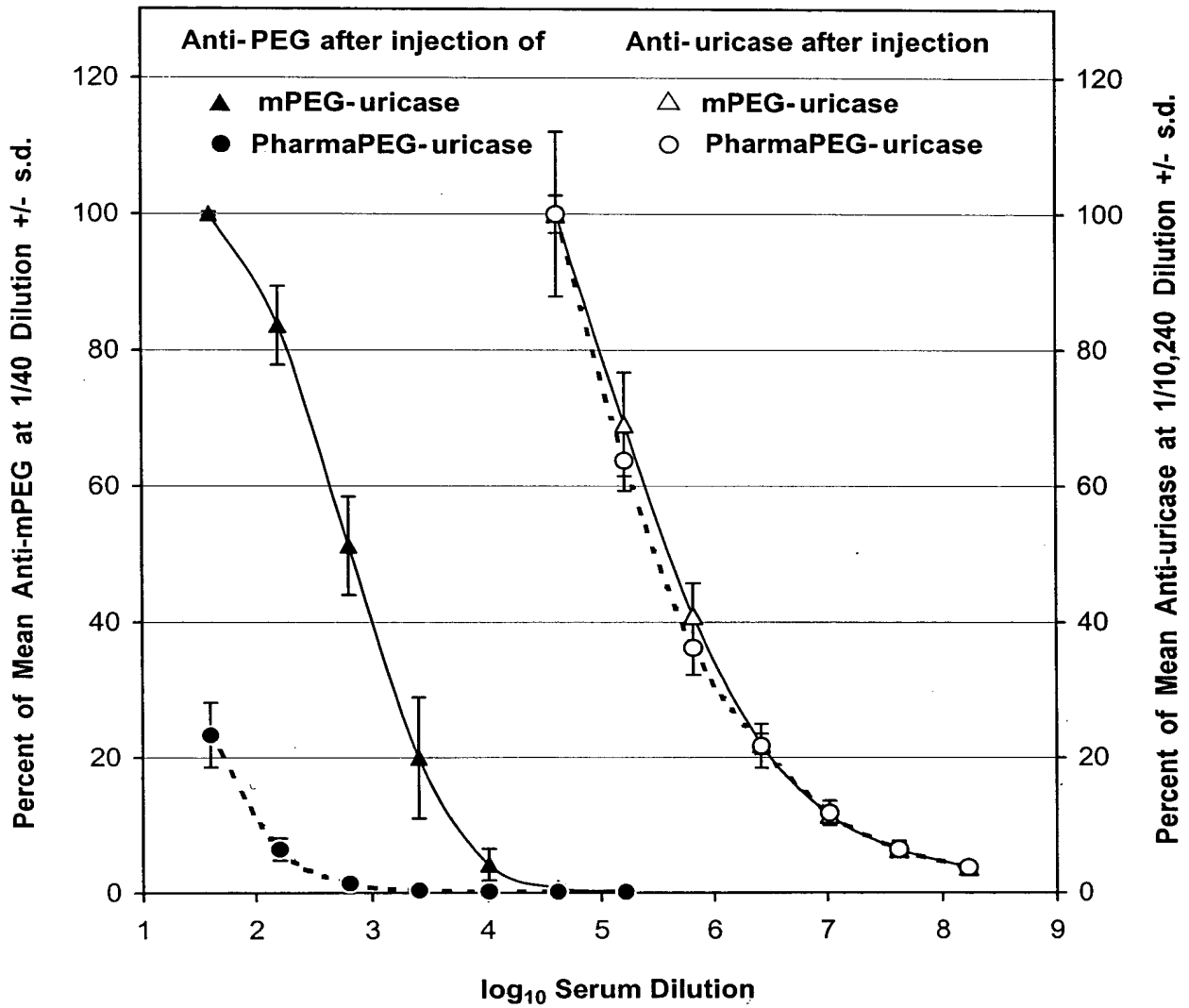


Figure 6b